



Machine	EA12V	EA28V
Travel (X / Y / Z) in mm	400 / 300 / 300	650 / 450 / 350
Max. workpiece dimensions (W x D x H) in mm	850 x 640 x 250	1040 x 760 x 350
Max. workpiece weight in kg	700	2000
Max. electrode weight in kg	50	50
Table dimensions (W x D) in mm	700 x 500	850 x 600
Table layout	Stainless steel table	
Daylight (table – C-axis with EROWA chuck) in mm	152,5–452,5	317,5–667,5
Max. dielectric filling level	300	400
Overall dimensions with tool changer (W x D x H) in mm	2145 x 2050 x 2380	2429 x 2512 x 2615
Machine weight in kg	3725	5400
Mains voltage	3-phase 400 V/AC, 50/60 Hz	
Filter system	EA12V	EA28V
Tank capacity in l	400	595
Filter particle size in µm / Filter elements	3 / 2	3 / 3
Temperature control	Dielectric cooling unit	

Weight (dry) in kg	Included in machine weight	
Generator	EA12V	EA28V
Power supply unit	Transistor-controlled pulse generator	
Cooling method	Totally sealed / indirect air cooling	
Max. output current in A	80 (optional 120)	120
Dimensions (W x D x H) in mm	400 x 900 x 1763	
Weight in kg	260 (bei 120 A: 300)	300
Control	EA12V	EA28V
Input method	Keyboard, USB flash drive, Ethernet	
TFT colour monitor / Control system	15" touchscreen / CNC, closed circuit	
Min. command step (X / Y / Z / U / V) in μm	0,1	
Min. axis resolution in μm	0,1	
Equipment	EA12V	EA28V
Dual position-measuring system with linear scales (X / Y / Z)	Yes	
Three-sided elevating work tank	Yes	
20-fold electrode changer	Optional (not retrofittable)	
FP120V high-performance generator	Optional (not retrofittable)	Yes

Ethernet / DNC / FTP	Yes
C-axis with EROWA chuck (1–30 rpm)	Yes
3R macro chuck	Optional
mcAnywhere Control / Contact / Service	Optional
External signal output	Optional
Tricolour warning lamp	Optional
ERGO-LUX	Optional
Additional rotary axes	Optional
nP Circuit	Optional (not retrofittable)
PKD / CBN circuit	Optional (not retrofittable)
High-speed spindle (1– 1500 rpm)	Optional (not retrofittable)
Programmable multiple flushing	Optional (not retrofittable)

Power connection: 3-phase 400 V/AC, PE, ± 10%, 50/60 Hz, primary fuse 32 A slow

Pneumatic connection: 5–7 kgf/cm³, 500–700 kpa, minimum air flow rate 60 l/min, 3/8" hose connection

The EDM system should be set up on a suitable hard industrial floor and preferably on a consolidated concrete floor. Any shielding that may be necessary in conformity with the EMC Directive is not included in the equipment supplied by Mitsubishi Electric.

The cooling unit contains fluorinated greenhouse gas R407C. For further information, please refer to the associated operating instructions.
